

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claims 1-69 (Canceled)

Please add the following new claims:

70. (Currently Amended) An analog electric filter network system for real-time processing of electrical signals in an electric guitar amplifier, said filter network system including:

 an input port receiving an input analog signal derived in real-time from the output of an electric guitar;

 an output port outputting an output analog signal derived from said input analog signal;

 a first potentiometer, wherein said first potentiometer is adjustable by a user to set at least in part a first voltage gain magnitude value from said input port to said output port at a first frequency;

 a second potentiometer, wherein said second potentiometer is adjustable by a user to set at least in part a second voltage gain magnitude value from said input port to said output port at said first frequency;

~~a first filter network selection, wherein said first filter network selection selects between at least four filter network elements, wherein each of said four filter network elements is included in a network including said first potentiometer;~~

~~a second filter network selection, wherein said second filter network selection selects between at least four filter network elements, wherein each of said four filter network elements is included in a network including said second potentiometer;~~

~~a rotary switch, wherein said rotary switch is adapted to select one of a plurality of capacitances filter network element from said first filter network selection as a rotary switch selected network element; and~~

~~a foot-operated switch, wherein said foot-operated switch is adapted to select an operating filtering network for said analog electric filter network by selecting either said first filter network or said second filter network, wherein both said first filter network and said second filter network include said capacitance selected by said rotary switch a network including said rotary switch selected network element or a network including a filter network element from said second filter network selection,~~

~~wherein said operating filtering network operates in real-time on said input analog signal to derive at least in part said output analog signal.~~

71. (Previously Presented) The filter network system of claim 70 wherein both of said first potentiometer and said second potentiometer are passive devices and have three terminals.

72. (Previously Presented) The filter network system of claim 70 wherein both of said first potentiometer and said second potentiometer are passive rotary potentiometers and have three terminals.

73. (Previously Presented) The filter network system of claim 70 wherein said foot-operated switch contains only a single switch, wherein said single switch has only a single throw.

Claims 74-89 (Canceled).